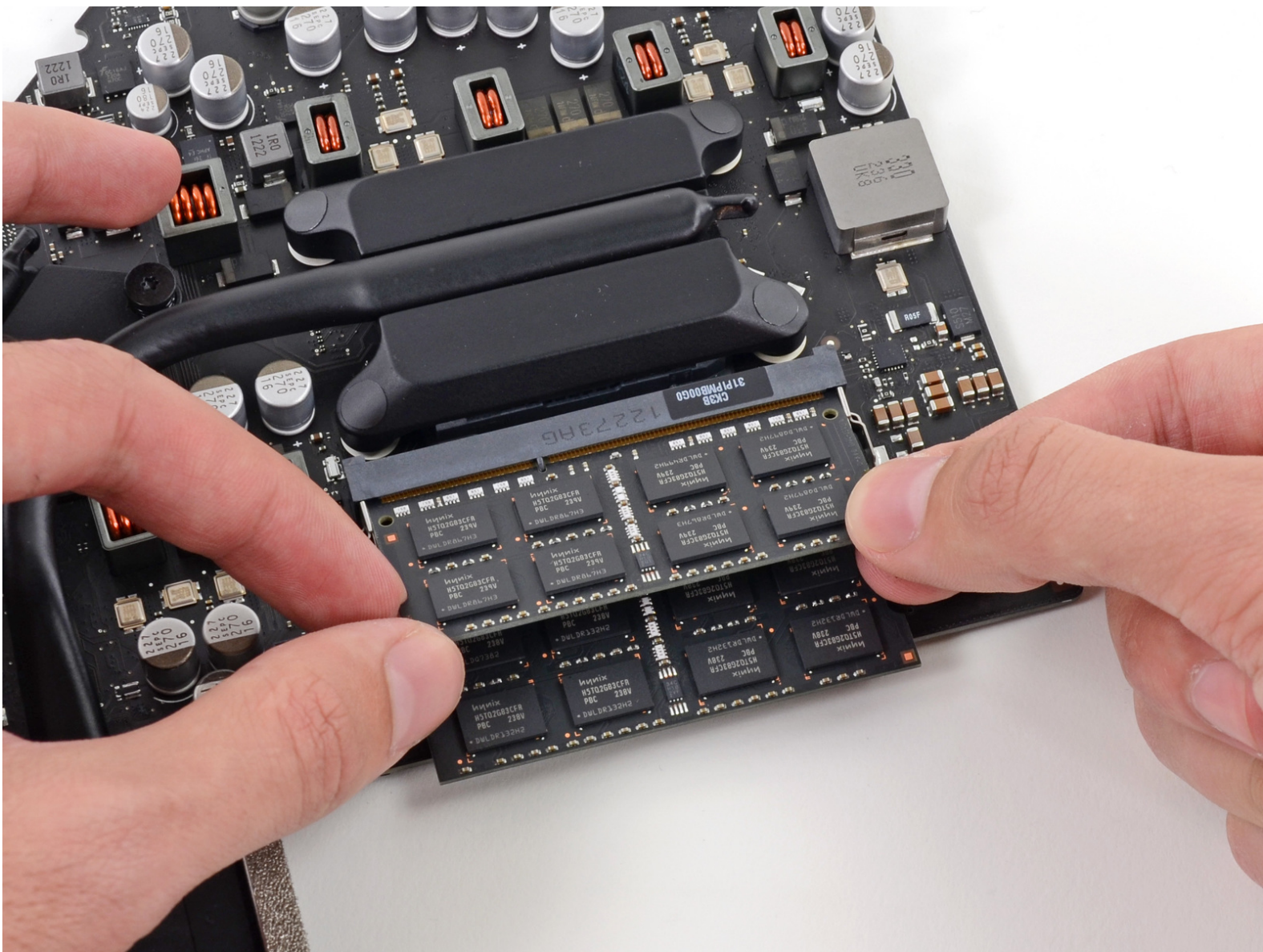




Upgrading iMac Intel 21.5" EMC 2544 RAM Memory

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INTRODUCTION

Upgrade up to 16 GB of RAM memory in your 21.5" iMac

All photos are property of iFixit



TOOLS:

- [3M 4910 VHB double sided tape 5mm](#) (1)

You can get it on hardware stores or eBay

- [Heavy-Duty Suction Cups \(Pair\)](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Spudger](#) (1)
- [T10 Torx Screwdriver](#) (1)
- [T8 Torx Screwdriver](#) (1)



PARTS:

- [PC3-12800 2 GB RAM Chip](#) (1)
- [PC3-12800 4 GB RAM Chip](#) (1)
- [PC3-12800 8 GB RAM Chip](#) (1)

Step 1 — Unglue the screen



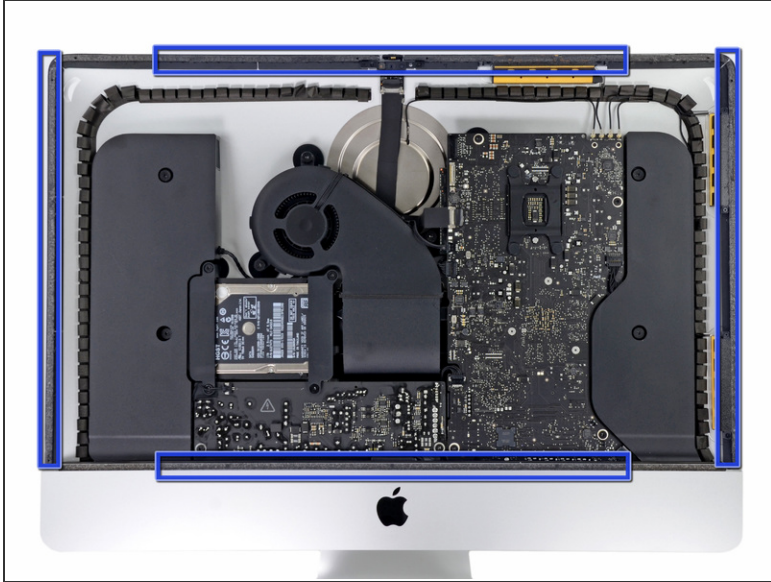
- First you need to remove the glue from the edge of the iMac
 - Use a Guitar Pick around the screen to remove the glue
- ⚠ Be careful not to damage the iSight camera

Step 2 — Screen



- Once you are sure the adhesive is removed, use two heavy suction cups to lift the screen
- Unplug these cables:
 - DisplayPort Cable
 - Power Cable
- Lift the screen from the iMac

Step 3 — Adhesive



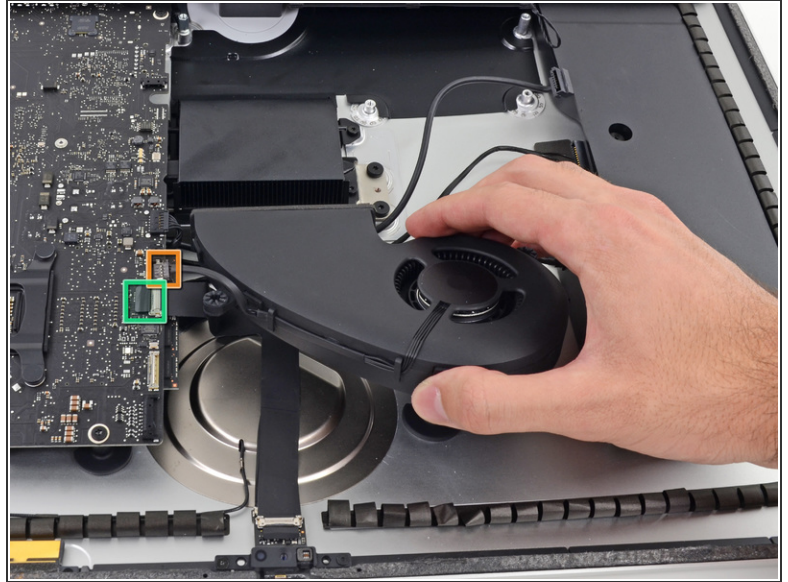
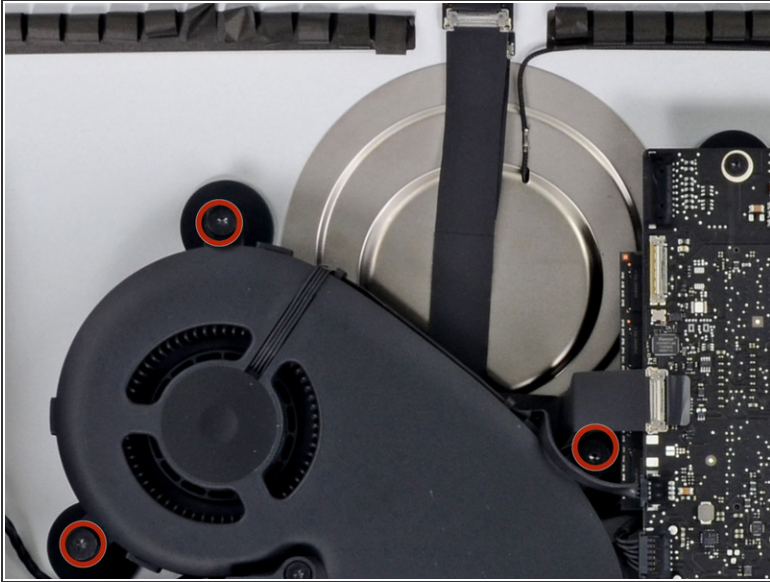
- Remove the gray tape from the iMac and the screen itself
- ⓘ When reassembling the iMac, put double sided tape on the screen and the iMac

Step 4 — Hard drive



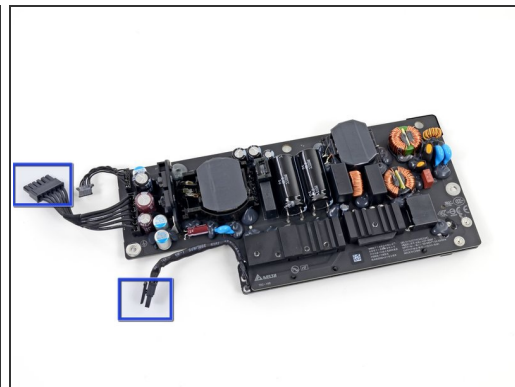
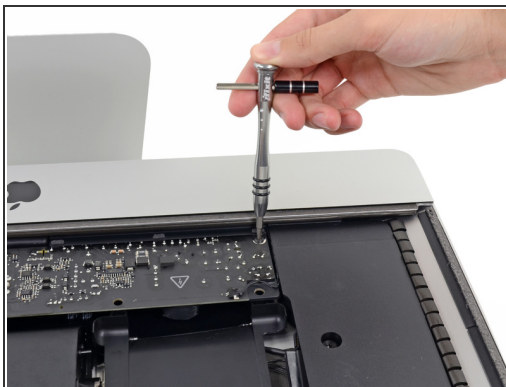
- Remove the four Torx T10 screws
- Unplug the SATA cables and remove the hard drive

Step 5 — Fan



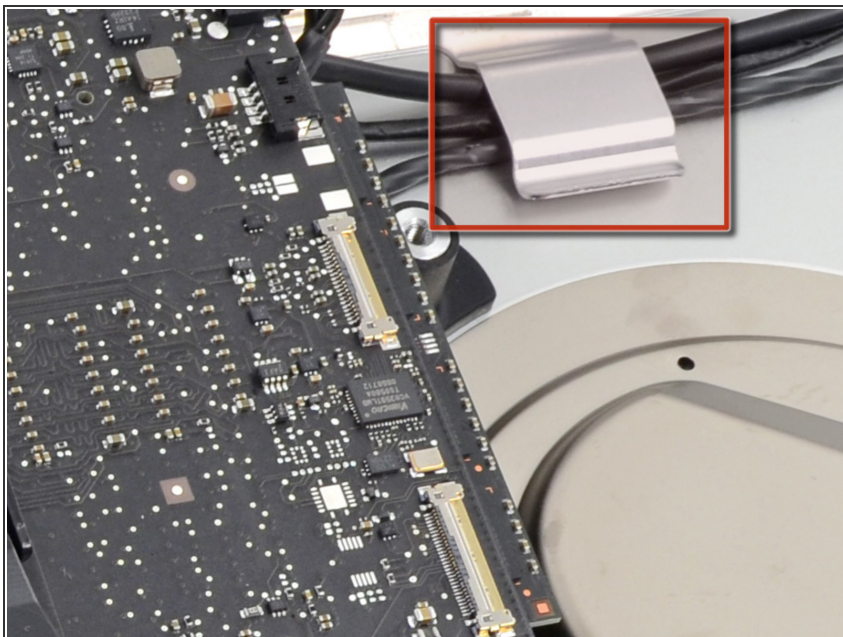
- Remove these 3 Torx T10 screws
- After you remove the screws, remove these cables
 - Fan Cable
 - Unstick and unplug the camera cable
- ⓘ After you remove the fan, remove the hard drive bay removing a single Torx T10 screw

Step 6 — Power board



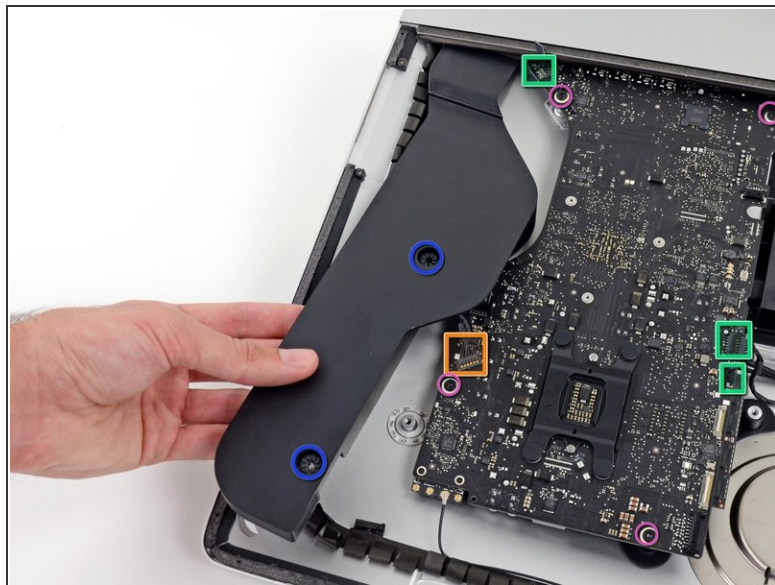
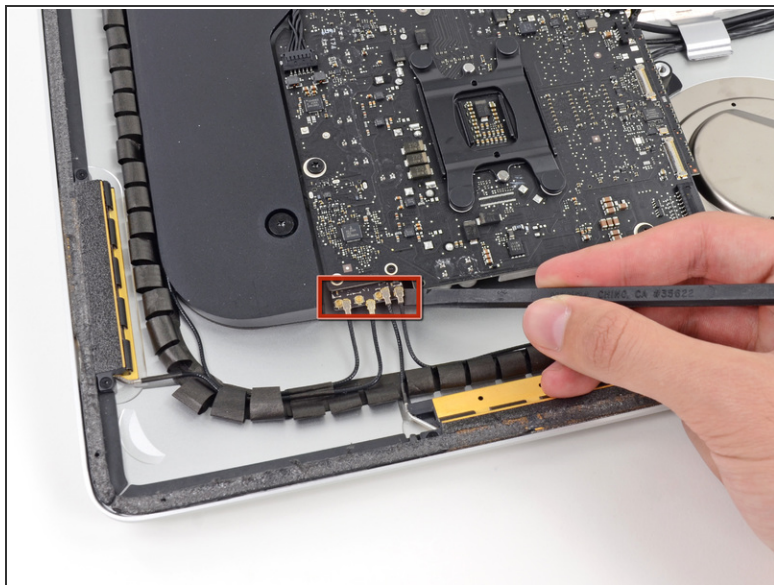
- Remove these 2 Torx T10 screws
- Unplug these 2 cables
- Unplug 2 more cable below the power board by pressing the clip
- ⓘ The power board is hard to remove from its place, remove it carefully

Step 7



- Remove the cables out of the clip

Step 8



- Unplug these 4 antenna connectors
 - ⓘ When reassembling be sure that the connectors are in the same place
- After that, remove these two Torx T10 screws
- Move the speaker and unplug the cable from the logic board
- Remove these other cables
- For finish, remove these four Torx T10 screws

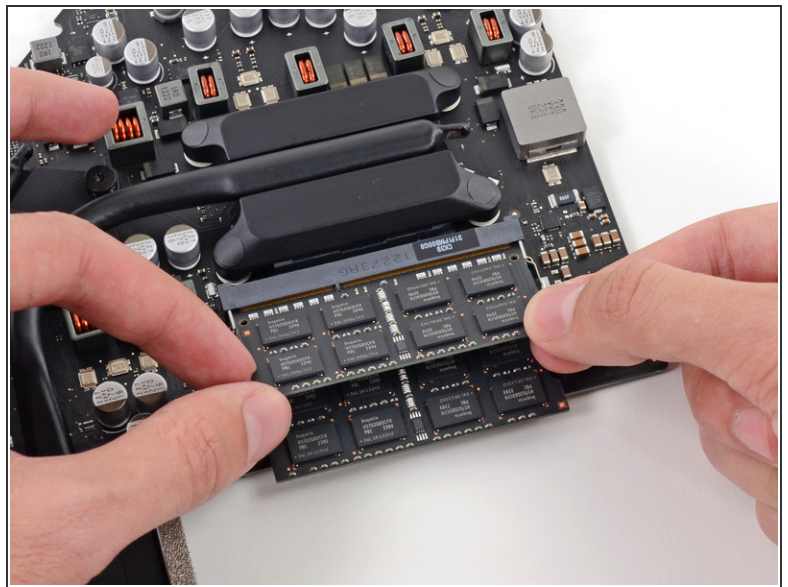
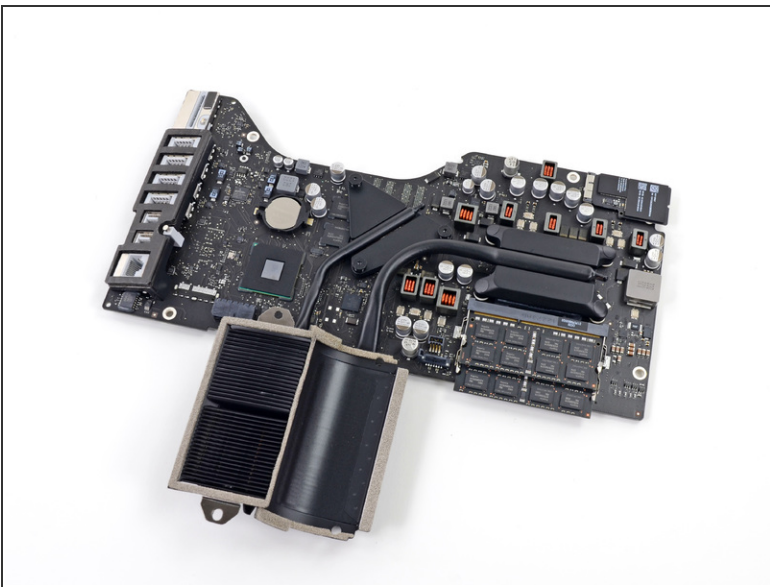
Step 9 — Logic Board



- Unscrew 3 Torx T8 screws from the heatsink, then remove the logic board from the iMac

⚠ Be careful not to damage the SD card reader with the screw mount

Step 10 — RAM memory



- Flip the logic board over and release the tabs from each side of the RAM

To reassemble your device, follow these instructions in reverse order remembering to re-glue the screen.

